TRG70E VI SERIES

70W SWITCHING ADAPTER

Features

* Universal Input Range 90~264VAC
* Meets EN55022 Class B and CISPR/FCC Class B
* Continuous Short Circuit Protection
* Over Voltage Protection
* No Load Power Consumption<150mW
* Meet CoC Tier 2 & DoE Level VI
  (TRG70E120:Output Cable Length≦720mm 16AWG)
  (TRG70E240: Output Cable Length≦1800mm 18AWG)

Ordering information

TRG70EXXX-	XX	X	XX
Model No.	DC Plug Type	OVP	DC Cable Length and Type
		E: With OVP	01: 720mm
			02: 1220mm
			03: 1800mm
			11: 720mm with Ferrite Core
			12:1220mm with Ferrite Core
			13:1800mm with Ferrite Core
			*18AWG/UL1185

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE NOTE 2	VOLTAGE ACCURACY NOTE 1	LINE REGULATION NOTE 3	LOAD REGULATION NOTE 4	EFFICENCY (typ.) NOTE 5
TRG70E120	12 V	5.5 A	1%	±2%	±1%	±5%	89%
TRG70E240	24 V	3.0 A	1%	±2%	±1%	±2%	89%

Specifications are subject to change without notice.

Specifications

INPUT SPECIFICATIONS:

Voltage ..... 90~264Vac
Frequency ..... 47 to 63Hz
Inrush Current ..... Cold Start @25℃ 80A max. @240Vac
Conducted EMI ..... CISPR/FCC Class B
Leakage Current ..... 0.25mA max.

OUTPUT SPECIFICATIONS:

Hold-up Time ..... 8ms typ. @115Vac
Short Circuit Protection ..... Continuous
Over Voltage Protection ..... Yes
Temperature Coefficient ..... ±0.05%/℃

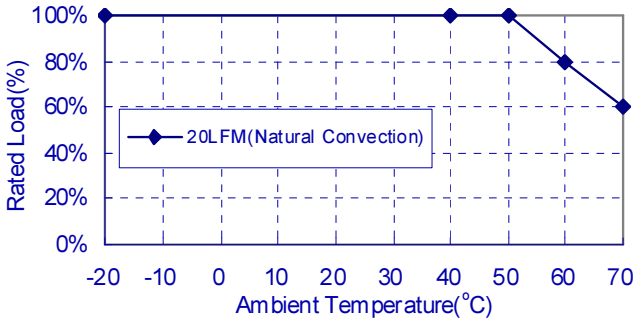
GENERAL SPECIFICATIONS:

Isolation ..... Input to output = 4,242VDC
Operating Temperature ..... -20 ~ 70℃ (see derating curve)
Storage Temperature ..... -20~85℃
Humidity ..... 93% RH max. Non condensing
Cooling..... Natural Convection
Switching Frequency ..... 60KHz Typical
MTBF ..... MIL-HDBK-217F, GB, at 25℃/115VAC ..... 200Khrs min.
Altitude 2000m
Dimensions ..... 5.197x2.283x1.201 inches (132.00x58.00x30.50 mm)
Weight ..... 345g(0.76 Pounds)
AC Inlet IEC320/C8

SAFETY AND EMC:

Emission and Immunity ..... EN55022 Class B, FCC Part 15 Class B
EN61000-6-3,EN61000-3-2,EN61000-3-3
EN55024, EN61204-3, EN61000-6-1
Safety IEC60950-1, EN60950-1, UL60950-1

TRG70E Series Derating Curve

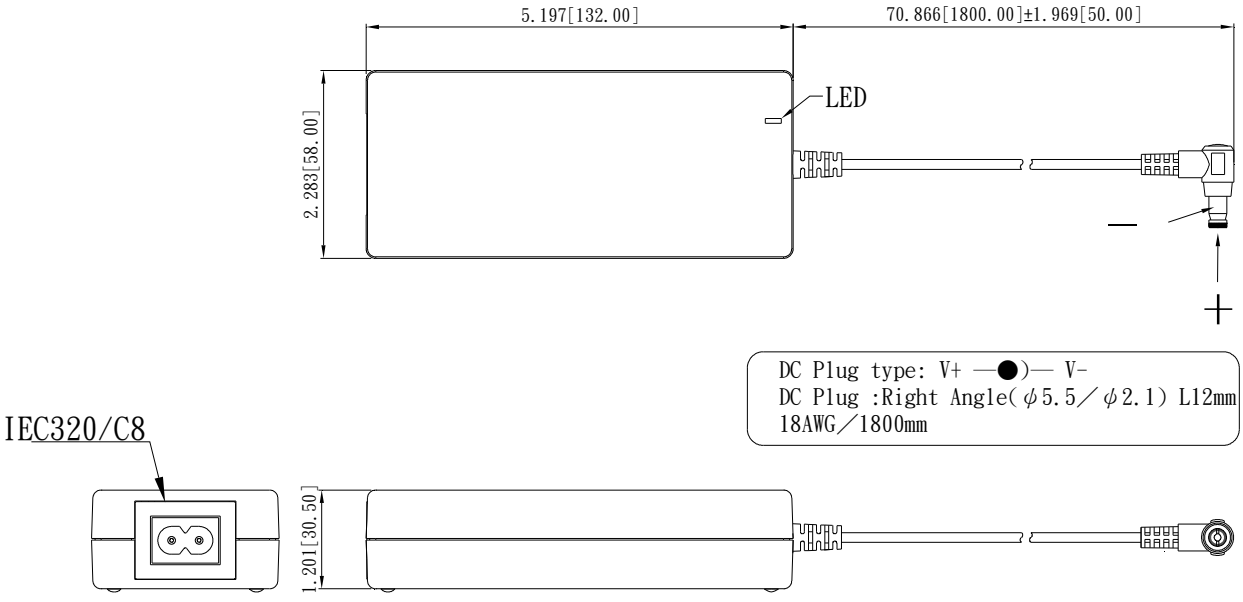


NOTE:

1. Voltage accuracy at 60% full load
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measurement @20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac, full load.
4. Load regulation is measured from 60% to 100% full load and from 60% to 20% full load (60% +/- 40% full load).
5. Typical efficiency at 230VAC and 75% load at 25℃.

Mechanical Specification

All Dimensions are in inches(mm)
Tolerance:Inches:X.XXX±0.02
Millimeters:X.XX±0.5



Typical at 25℃, nominal line and 75% load, unless otherwise Specified